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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/536,467	5,467 05/25/2005 Sergei Braun		29948	4946
Martin Moyniha	7590 02/21/200 an	EXAMINER		
Anthony Castor	rina	MESH, GENNADIY		
2001 Jefferson Davis Highway Suite 207			ART UNIT	PAPER NUMBER
Arlington, VA	22202	1796		
			MAIL DATE	DELIVERY MODE
			02/21/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Applic	ation No.	Applicant(s)	Applicant(s)			
		10/536	3,467	BRAUN, SERGEI				
		Exami	ner	Art Unit				
		GENNA	ADIY MESH	1796				
Period fo	The MAILING DATE of this commun or Reply	ication appears on	the cover sheet w	ith the correspondence ad	ldress			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1) 又	Responsive to communication(s) file	ed on <i>25 May 2005</i>						
2a)□		2b)⊠ This action i						
3)		<i>′</i> —		ters prosecution as to the	e merits is			
٥,١	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims	·	•	·				
· · ·		the application						
•	Claim(s) <u>114- 152</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.							
	Claim(s) is/are allowed.	William and The First						
'=	6)⊠ Claim(s) <u>132-144</u> is/are rejected.							
·	Claim(s) is/are objected to.							
	Claim(s) are subject to restrict	ction and/or election	n requirement.					
·	on Papers							
	-							
<i>,</i> —	The specification is objected to by th		. - - - - - - - -	h., 4h F.,				
10)	The drawing(s) filed on is/are:	•		-				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notic 3) Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (F nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date <u>12/20/2005</u> .	PTO-948)	Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application 				

DETAILED ACTION

Election/Restrictions

Applicant's election without traverse of Claims 132 – 144 in the reply filed on November 13, 2007 is acknowledged.

Claims 113 -131 and 145 – 152 withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected inventions, there being no allowable generic or linking claim. Claims 1 – 112 are canceled by Applicant.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

1. Claims 132-144 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for general method of treatment of protein contain substances in order to obtain promoters and following step of polycondensation of those promoters, does not reasonably provide enablement for polymers with structures claimed by Applicant in Claims 132-144. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the invention commensurate in scope of claims 132-144.

Case law holds that applicant's specification must be "commensurately enabling [regarding the scope of the claims]." See *Ex Parte Kung*, 17 USPQ2d 1545, 1547 (Bd. Pat. Appl. Inter. 1989). Otherwise **undue experimentation** would be involved in

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determining how to practice and use applicant's invention. The test for undue experimentation as to whether or not all compounds within the scope of claims 132-144 can be used as claimed and whether claims 132-144 are meet the test is stated in *Ex parte Forman*, 230 USPQ 546, 547 (Bd. Pat. Appl. Inter. 1986) and *In re Wands*, 8 USPQ2d 1400 (Fed. Cir. 1988). Upon applying this test to claims 132-144, it is believed that undue experimentation **would** be required because:

- (a) The quantity of experimentation necessary is **great** since claims 132 -144 read on very wide variety of compounds containing natural modified or not modified amino acids.
- (b) There is **no** *direction or guidance presented* for making **specific** polymers with specific **polymer structures** as claimed in Claims 1342-144.
- (c) There is an **absence** of working examples concerning making and **isolating** specific polymers with structures as it claimed in Claims 132-144.

In light of the above factors, it is seen that **undue experimentation would be necessary** to make and use the invention of claims 132-144.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claims 132 - 144 are rejected under 35 U.S.C. 102(b) as being unpatentable over Goodman et al.(US Re. 30,170) in view of Gouesnard "Reactivite du nitrite de sodium. V. Action sur les amino-acides, peptides et proteines" *BULLETIN DE LA SOCIETE CHIMIQUE DE FRANCE 1989 N*° 1 – cited by Applicant.

Goodman discloses hydrolysable copolymers of natural amino acids and hydroxyacids obtain by incorporation of alpha (or beta or gamma) hydroxyacids residue in peptide backbone (see abstract and column 1, lines 12-18), wherein amino acid and hydroxyacid linked by ester bond (see Goodman , general formula on bottom of column 1 and in the top of column 2) — same as it require by A-B bond of radicals A and B in Claims 132 -144. According to Goodman (see column4, lines 15-25) presence of ester bond "to endow it (polymers) with the desirable hydrolysable properties".

Radical A as Y-CO-CHR_a –O reads on hydroxyacids residue when R_a is hydrogen and Y is OH group and residue of natural amino acid (in general formula provided by Goodman) reads on radical B - note, that peptide backbone comprising all natural occurring amino acids claimed as radical B by Applicant.

Goodman is silent regarding use of specific radicals A (different from Y-CO-CHR_a –O) as a residue of **hydroxy amino acids** (see for example structure in Claim 135).

However, Gouesnard teach that hydroxyl amino acids can be obtain by treating proteins with sodium nitrite (see Scheme 1, page 89).

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Therefore, it would be obvious to one or ordinary skill in the art to use hydroxy amino acids obtained per teaching of Gouesnard in stead of hydroxyacids in order to prepare hydrolysable polyesters as it disclosed by Goodman with reasonable expectation of success, until unexpected results to the contrary can be shown by Applicant.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to GENNADIY MESH whose telephone number is (571)272-2901. The examiner can normally be reached on 10 a.m - 6 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan can be reached on (571) 272 1119. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Gennadiy Mesh Examiner Art Unit 1796

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/VASUDEVAN S. JAGANNATHAN/ Supervisory Patent Examiner, Art Unit 1796